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radical

Dictionary

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rad·i·cal (răd'ī-kəl) 

adj.

1. Arising from or going to a root or source; basic: *proposed a radical solution to the problem.*
2. Departing markedly from the usual or customary; extreme: *radical opinions on education.*
3. Favoring or effecting fundamental or revolutionary changes in current practices, conditions, or institutions: *radical political views.*
4. *Linguistics.* Of or being a root: *a radical form.*
5. *Botany.* Arising from the root or its crown: *radical leaves.*
6. *Slang.* Excellent; wonderful.

n.

1. One who advocates fundamental or revolutionary changes in current practices, conditions, or institutions: *radicals seeking to overthrow the social order.*
2. *Mathematics.* The root of a quantity as indicated by the radical sign.
3. (Symbol R) An atom or a group of atoms with at least one unpaired electron.
4. *Linguistics.* See [root](#)¹ (sense 8).

[Middle English, of a root, from Late Latin *rādicālis*, having roots, from Latin *rādīx*, *rādīc-*, root.]

rad'ī-cal·ly *adv.*

rad'ī-cal-ness *n.*

[Jr. Tennis Racquet](#)

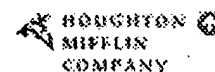
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Thesaurus

radical

adjective

1. Arising from or going to the root or source: basal, basic, foundational, fundamental, original, primary, underlying. See surface/depth.
2. Holding especially political views that deviate drastically and fundamentally from conventional or traditional beliefs: extreme, extremist, fanatic, fanatical, rabid, revolutionary, ultra. *Slang* far-out. See concern/unconcern, edge/center, politics.

noun

One who holds extreme views or advocates extreme measures: extremist, fanatic, revolutionary, revolutionist, ultra, zealot. See edge/center, concern/unconcern, politics.

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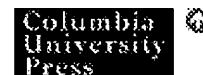
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Encyclopedia

in chemistry

in mathematics

radical, in **chemistry**, group of atoms that are joined together in some particular spatial structure and that take part in most chemical reactions as a single unit. Important inorganic radicals include ammonium, NH_4 ; carbonate, CO_3 ; chlorate, ClO_3 , and perchlorate, ClO_4 ; cyanide, CN ; hydroxide, OH ; nitrate, NO_3 ; phosphate, PO_4 ; silicate, SiO_3 (meta) or SiO_4 (ortho); and sulfate, SO_4 . The use of these radicals simplifies the naming and description of inorganic compounds, since such usage does not consider the electronic charge on the group. (When ions are dealt with, electronic charge must be considered.) In organic **chemistry**, the term **radical** is sometimes used synonymously with group; e.g., the group CH_3 is sometimes called the methyl **radical** instead of the methyl group. This use is limited chiefly to alkyl groups and aryl groups; it is usually not applied to functional groups, such as carbonyl. Because the term **radical** easily could be taken to mean a free radical, the term group is preferred by some.

radical, in mathematics, symbol placed over a number or expression, called the radicand, to indicate a root of the radicand. When used without a sign or index number, it designates the positive square root of the radicand, i.e., 2. If both square roots are meant, the **radical** sign is preceded by \pm . To indicate higher roots of the radicand, e.g., cube or fourth roots, an index number is used. The **radical** sign is generally taken to indicate the principal root of the radicand, although any radicand will have n different n th roots. The term **radical** is sometimes used loosely to refer to the entire expression consisting of **radical** sign and radicand.

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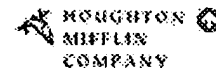
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Science

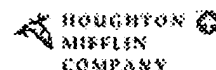


radical

In **chemistry**, an **atom** or group of atoms that has at least one **electron** free to participate in forming a **chemical bond**.

- In general, radicals are associated with **chemical reactions** that proceed rapidly.

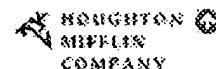
Politics



radical

In politics, someone who demands substantial or extreme changes in the existing system.

Medical



rad·i·cal (răd'ī-kəl)

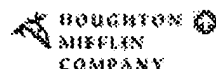
n. (*Abbr.* R)

1. A group of elements or atoms usually passing intact from one compound to another but generally incapable of prolonged existence in a free state.
2. A free radical.

adj.

1. Of or being medical treatment by extreme, drastic, or innovative measures.
2. Designed to act on or eliminate the root or cause of a pathological process.

Works



Works by Radical

1865 The **Radical**. The chief organ of the Radical Club, an informal association of New England Unitarian and Transcendentalist thinkers opposed to the supernaturalism of Christianity, begins publication. Issued until 1872, the journal included contributors such as Henry James Sr., Thomas Wentworth Higginson, and Moncure Conway.



WordNet

Note: click on a word meaning below to see its connections and related words.

The *noun* **radical** has 6 meanings:

Meaning #1: (chemistry) two or more atoms bound together as a single unit and forming part of a molecule

Synonyms: group, chemical group

Meaning #2: an atom or group of atoms with at least one unpaired electron; in the body it is usually an oxygen molecule than has lost an electron and will stabilize itself by stealing an electron from a nearby molecule

Synonym: free radical

Meaning #3: a person who has **radical** ideas or opinions

Meaning #4: a character conveying the lexical meaning of a logogram

Meaning #5: a sign placed in front of an expression to denote that a root is to be extracted

Synonym: radical sign

Meaning #6: (linguistics) the form of a word after all affixes are removed

Synonyms: root, root word, base, stem, theme

The *adjective* **radical** has 5 meanings:

Meaning #1: (used of opinions and actions) far beyond the norm

Synonyms: extremist, ultra

Meaning #2: markedly new or introducing **radical** change

Synonym: revolutionary

Meaning #3: arising from or going to the root

Synonym: root

Meaning #4: (linguistics) of or relating to or constituting a linguistic root

Pertains to noun: root (meaning #2)

Meaning #5: (botany) especially of leaves; located at the base of a plant or stem; especially arising directly from the root or rootstock or a root-like stem

Synonym: basal

Antonym: cauline (meaning #2)

Translations



Translations for: Radical

Nederlands (Dutch)

radicaal, ingrijpend, wezenlijk, wortel-, betreffende de stam van woorden, grond- (muziek), te gek, wortelteken, stam van een woord, basisprincipe

Français (French)

radical, extrémiste**Deutsch (German)**

n. - Radikaler, Wurzel(zeichen), Radikal
 adj. - radikal, grundlegend, durchgreifend

Ελληνική (Greek)

n. ριζοσπάστης adj. ριζικός, ριζοσπαστικός

Italiano (Italian)

radice, radicale, estremista, segno della radice

Português (Portuguese)

n. - radical
 adj. - radical

Русский (Russian)

радикал, корень, радикальный, корневой

Español (Spanish)

adj. - radical, fundamental, extremista
 n. - raíz, fundamento

Svenska (Swedish)

n. - radikal (pol), (språkv) rotord
 adj. - grundlig, ursprunglig, (pol) radikal

中国话 (Simplified Chinese)

adj. - 根本的, 基本的, 原本的, 与生俱来的, 彻底的, 极端的, 过激的
 n. - 根部, 基本原理, 基础, 激进分子

中國話 (Traditional Chinese)

adj. - 根本的, 基本的, 原本的, 與生俱來的, 徹底的, 極端的, 過激的
 n. - 根部, 基本原理, 基礎, 激進分子

日本語 (Japanese)

adj. - 根本的な, 徹底的な, 過激な
 n. - 急進的な人, 急進主義者, 基, 過激論者, 根号

العربيہ (Arabic)

(الاسم) أساس , جذر (صفه) متطرف , جذري , جوهري

עברית (Hebrew)

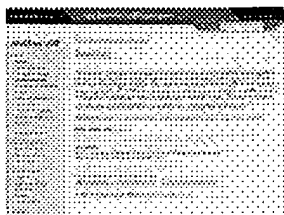
adj. - קיצוני, שורשי, רדיקל, רדיקלי, תובע תיקונים יסודיים, מצוין, בולט, מצטיין (מדוברת)
 n. - שורש, קבוצת אטומים, שורשון, שורש של מספר, חומר כימי שאינו משתנה בעת שינויים בתרכובת -

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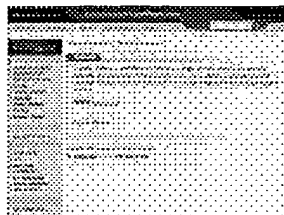
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Some good "radical" pages on the web:



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mathworld.wolfram.com



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scienceworld.wolfram.com

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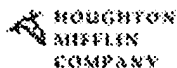
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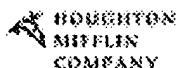
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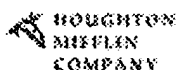
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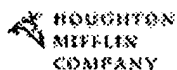
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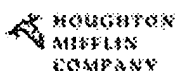
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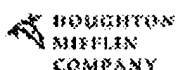
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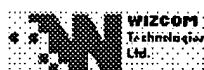
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